

DOCUMENT-IDENTIFIER: US 5471671 A

TITLE: Handset for a multiple channel communication system and use thereof

DEPR:

FIG. 20 shows a flow chart of a handset initiating a call and maintaining the call during a handover environment. A signal to initiate a call is accepted in step 580. Then in step 582, the handset determines which channel has the highest quality on the HCL of FIG. 19 and a channel quality greater than a predetermined handover threshold (HTH) plus a constant delta, step 582. If no channel has a quality greater, then an out of range indication may be sent to the user of the handset. In response to selecting a channel, in step 584, the handset retrieves from memory the ACL associated with the channel. The ACL having been previously received in step 554. After receiving the ACL, the handset then selects an optimum channel from the ACL for communication with the base station, step 586. Determination of an optimum channel may be either by selecting prioritized ACL channel from the base station, or (preferably)

selecting a first ACL channel having a weak RSSI measurement, thereby indicating no interfering sources near the handset, or selecting an ACL channel in response to the handset's own HCL. Either of these methods assures a high quality channel connection because, the handset first selects the highest quality base station. The base station having already sent the handset a list of its determination of the highest quality available channels. The handset then may select from the base station's list a channel which it also determines to be a high quality channel.

DOCUMENT-IDENTIFIER: US 5673256 A

TITLE: Apparatus and method for sending data messages at an optimum time

DEPR:

As part of task 514, in one embodiment of the present invention, when a

subscriber unit 26 (FIG. 1) requests access to communication system 10 (FIG.

1), the subscriber unit 26 (FIG. 1) provides the communication system 10 (FIG.

1) with the type of message (field 302, FIG. 3) to be sent.

The access request

may also include file size. Based on the type of message, communication system

10 (FIG. 1) allocates a channel bandwidth. For example, a very large data file

would be allocated a large bandwidth, while small message files would be

allocated less bandwidth. In the preferred embodiment, an allocation of more

bandwidth would include additional time slots of a particular frequency

channel, or additional time slots of several frequency channels. The amount of

bandwidth allocated may also be based on other factors including availability

of communication channels and demand for services.

DOCUMENT-IDENTIFIER: US 5724659 A

TITLE: Multi-mode variable bandwidth repeater switch and method therefor

DEPR:

Subscriber units 49 and 109, when located within enhanced services region 58, may request enhanced services. Enhanced services may include dynamically allocating bandwidth for transceiving data. Dynamic allocation includes increasing the data transfer rate or bandwidth over enhanced services communication link 56, or decreasing the data transfer rate by interconnecting to a more economical lower data-rate bandwidth service sufficient for the needs of the user of subscriber units 49 and 109.

CCOR:

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CCXR:

455/454

DOCUMENT-IDENTIFIER: US 5608727 A

TITLE: Method and system for management of frequency spectrum among multiple applications on a shared medium

DEPR:

Based on the criteria for allocating channels to applications, the spectrum manager may request any spectrum agent to return a specific channel (212) it has been allocated. Such a channel may be in the spectrum agent's assigned, available or out of service channel list. For example, where needed, the spectrum manager may use this capability to merge contiguous frequency channels to create a channel where more spectral bandwidth is required than is available in a single channel.

CCXR:

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CCXR:

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	Type	L #	Hits	Search Text
1	BRS	L1	8671	handoff or (hand adj off) or handover or (hand adj over)
2	BRS	L2	1830	bandwidth with demand
3	BRS	L3	3	1 same 2
4	BRS	L4	429	list with channels with available
5	BRS	L5	26	1 same 4
6	BRS	L6	33071	broadcast
7	BRS	L7	2	5 same 6

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2001/08/24 14:12		
2	USPAT; US-PGPUB	2001/08/24 14:12		
3	USPAT; US-PGPUB	2001/08/24 14:16		
4	USPAT; US-PGPUB	2001/08/24 14:17		
5	USPAT; US-PGPUB	2001/08/24 14:21		
6	USPAT; US-PGPUB	2001/08/24 14:21		
7	USPAT; US-PGPUB	2001/08/24 14:21		

	Type	L #	Hits	Search Text
1	BRS	L1	893	(bandwidth with demand) same data
2	BRS	L2	37198	455/\$5.ccls.
3	BRS	L3	49	1 and 2

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2001/08/24 13:06		
2	USPAT; US-PGPUB	2001/08/24 13:06		
3	USPAT; US-PGPUB	2001/08/24 13:06		

	Type	L #	Hits	Search Text
1	BRS	L1	1096	bandwidth same request same more
2	BRS	L2	37198	455/\$5.ccls.
3	BRS	L3	65	1 and 2
4	BRS	L4	201959	dynamic\$4
5	BRS	L5	101	1 same 4
6	BRS	L6	3	2 and 5

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2001/08/24 09:19		
2	USPAT; US-PGPUB	2001/08/24 09:19		
3	USPAT; US-PGPUB	2001/08/24 09:19		
4	USPAT; US-PGPUB	2001/08/24 09:20		
5	USPAT; US-PGPUB	2001/08/24 09:20		
6	USPAT; US-PGPUB	2001/08/24 09:20		

	Type	L #	Hits	Search Text
1	BRS	L1	243	455/452.ccls.
2	BRS	L2	5211	buffer with data with channel
3	BRS	L3	5	1 and 2
4	BRS	L4	1442	assign\$3 with more with channel
5	BRS	L5	78533	amount with data
6	BRS	L6	21	4 same 5
7	BRS	L7	1080	request\$3 with more with channel
8	BRS	L8	46089	more adj3 data
9	BRS	L9	21222	more adj3 channel
10	BRS	L10	567	8 same 9
11	BRS	L11	37198	455/\$5.ccls.
12	BRS	L12	68	10 and 11
13	BRS	L13	4	7 and 12
14	BRS	L14	111975	request\$3
15	BRS	L15	42	10 same 14
16	BRS	L16	4	11 and 15
17	BRS	L17	246	7 and 11
18	BRS	L18	15	5 same 7

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2001/08/23 17:52		
2	USPAT; US-PGPUB	2001/08/23 17:52		
3	USPAT; US-PGPUB	2001/08/23 17:57		
4	USPAT; US-PGPUB	2001/08/23 17:57		
5	USPAT; US-PGPUB	2001/08/23 17:58		
6	USPAT; US-PGPUB	2001/08/23 18:06		
7	USPAT; US-PGPUB	2001/08/23 18:07		
8	USPAT; US-PGPUB	2001/08/23 18:08		
9	USPAT; US-PGPUB	2001/08/23 18:08		
10	USPAT; US-PGPUB	2001/08/23 18:08		
11	USPAT; US-PGPUB	2001/08/23 18:08		
12	USPAT; US-PGPUB	2001/08/23 18:09		
13	USPAT; US-PGPUB	2001/08/23 18:14		
14	USPAT; US-PGPUB	2001/08/23 18:15		
15	USPAT; US-PGPUB	2001/08/23 18:15		
16	USPAT; US-PGPUB	2001/08/23 18:18		
17	USPAT; US-PGPUB	2001/08/23 18:19		
18	USPAT; US-PGPUB	2001/08/23 18:19		